

We claim:

1. A disposable fluid circuit for use in a blood processing machine, comprising:  
a fluid circuit having tubular and flexible panel-shaped portions;  
a support, said tubular and flexible panel-shaped portions being mounted in said support;  
said tubular and flexible panel-shaped portions being adapted for conveying blood and at least one other fluid consumed by a blood treatment operation;  
said support exposing at least some of said tubular and flexible panel-shaped portions on opposite sides of said support whereby opposing actuators and/or sensors of a blood treatment machine can engage them on opposing sides thereof;  
said support panel-shaped portions being held in an overlying relationship by said support.
2. A circuit as in claim 1, further comprising a blood filter supporting by said support.
3. A circuit as in claim 1, wherein said support includes a planar member with cutouts aligned with said effective to at least some of said tubular and flexible panel-shaped portions and thereby so expose said at least some of said tubular and flexible panel-shaped portions.
4. A circuit as in claim 1, wherein said support comprises a generally planar member and said at least some of said tubular and flexible panel-shaped portions are held in a planar arrangement by it.

5. A circuit as in claim 1, wherein flexible panel-shaped portions are held in an overlying relationship.

6. A circuit as in claim 1, wherein at least one of said flexible panel-shaped portions overlies a recess-shape portion of said support.

7. A disposable fluid circuit for use in a blood processing machine, comprising:  
 a flat tray-shaped member having at least one cutout and at least one recess formed therein;  
 a fluid circuit having at least one tubular portion overlying said cutout and at least one sheet portion overlying said recess;  
 said sheet portion having a flow channel on an inside thereof;  
 said tubular and flexible panel-shaped portions being adapted for conveying blood and at least one other fluid consumed by a blood treatment operation.

8. A circuit as in claim 7, further comprising a blood filter supporting by said support.

9. A circuit as in claim 7, wherein said flat tray-shaped member holds said fluid circuit in a generally planar arrangement.

10. A circuit as in claim 1, sheet portion is a portion of multiple panel-shaped portions held in an overlying relationship by said flat tray-shaped member.

11. A fluid circuit for use with a blood treatment application, comprising:
  - a flexible bag;
  - tubular members;
  - said flexible bag having a pattern of seals and being connected with said tubular members to define flow channels of a fluid circuit;
  - said pattern of seals forming panel-shaped elements of said fluid circuit;
  - a flat tray-shaped member having at least one of cutouts and recesses with respective portions of said fluid circuit aligned with said cutouts and recesses;
  - said tray-shaped member supporting and orienting said panel-shaped elements with respect to said tray-shaped member.
12. A circuit as in claim 11, wherein said panel shaped member is folded such that portions thereof overlie one another.
13. A circuit as in claim 11, wherein at least a portion of said panel shaped member defines a chamber of said fluid circuit, said chamber overlying at least one of said recesses.
14. A circuit as in claim 11, further comprising a blood filter, said fluid circuit including said blood filter.
15. A circuit as in claim 14, wherein said panel shaped member is folded such that portions thereof overlie one another.

16. A circuit as in claim 14, wherein at least a portion of said panel shaped member defines a chamber of said fluid circuit, said chamber overlying at least one of said recesses.

17. A circuit as in claim 11, wherein said panel shaped member is folded to form two overlying portions defining a pair of chambers of said fluid circuit.

18. A circuit as in claim 17, wherein said chambers overlie at least one of said recesses.